

MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF STANDARDS-1963-A

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| d identify by block number) | | | |
| ideally by block number) ie launching of 1 -002, RC-001, RD- | the 19319A MLRS, Missile -026, Round Numbers V-351/DL-1 | | |
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LC-37 Significant Level Data at 0730 MDT-----

LC-37 Upper Air Data at 0730 MDT-----

L.C-37 Mandatory Levels at 0730 MDT-----

USD Significant Level Data at 0838 MDT-----

WSD Upper Air Data at 0838 MDT-----

WSD Mandatory Levels at 0838 MDT-----

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INTRODUCTION

103107 MURS, Missile Dumbers RC-003, 3H-117, RO-058, DC-002, BC-001 and RD-026, Round Numbers V-351/DL-1, V-352/DL-2, V-353/DL-3, V-354/DL-4, V-355/DL-5 and V-356/DL-06, were launched from LC-33, White Sands Missile Range (MSMR), New Mexico, at 0838:17, 0830:21, 0338:26, 0838:30, 0838:35 and 0838:40 NDT, 29 Oct 82. The scheduled launch times were 0830 MDT. (E T's with 4.5 second separation).

DISCUSSION

Moteorological data were recorded and reduced by the Uhite Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods:

- 1. Observations
 - a. Surface
- (1) Standard surface observations to include pressure, temperature (^6C) , relative humidity, dew point (^6C) , density (gm/m^3) , wind direction and speed, and cloud were made at the LC-33 Met Site at T-0 minutes.
- (2) Anemometer data were provided from existing pole-mounted and towermounted anemometers at LC-33. Monitor of wind speed and direction from one anemometer was also provided in the launch control room.
 - b. Upper Air
- (1) Low level wind data were obtained from pilot-balloon observations

SITE AND ALTITUDE WSD 2km DOW 2km

(2) Air structure data (rawinsonde) were collected at the following let Sites.

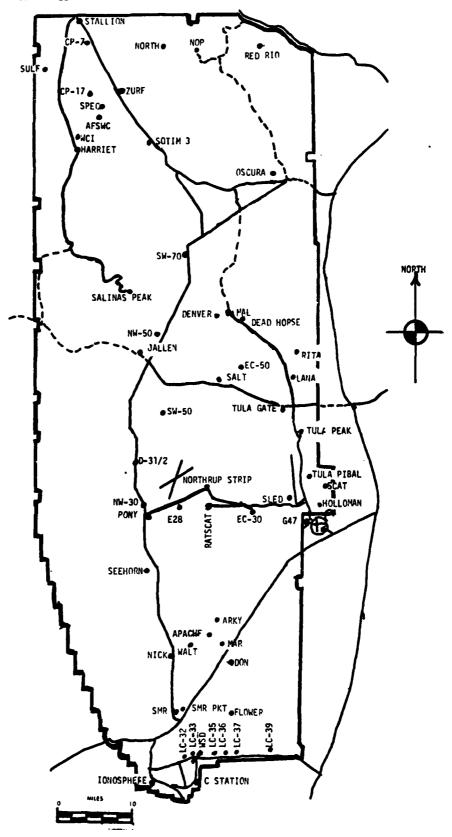
SITE AND TIME

USD 0630 MDT

LC-37 0730 MDT

USD 0830 MDT

WSMR METEOROLOGICAL SITES



| | en e | | |
|--|--|-----------------------------------|------------------|
| ; : | | LC-35 | NCETH - |
| | | Launch Area | ļ. |
| | | | WEST -1-4 |
| | | | |
| | | | 1 inch = 250 ft |
| The second of th | Y136,500 | | |
| | | 30 | • |
| | | a a | |
| | | רוא | |
| | | | . |
| | | ; T ; | eter Pole #3 |
| MLT | Y186,050 | Anenior Anenior | eter Pole #2 |
| Tower | O 7-9 Radar | L-579A 0 0 L-51 | |
| | | L-351A $\hat{J} = \hat{J}_{L-35}$ | οΛ |
| | | · | • • |
| · · · · · · · · · · · · · · · · · · · | | one ten | |
| | | c reut | |
| | Y181,571 | <: | • |
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| | Y185,000 | | 1 - 500 🐧 |
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PROJECT SURFACE OBSERVATION

| | 3995.00 | VISIBIL- ITY | 50 | |
|---------------------|------------------------------------|-----------------------|-------|--|
| | 484,982.64 Y= 35,957.73 H= 3995.00 | CHAPACTER kts | | |
| -33 E & A | 64 Y= | MIND SPEED kts | 01 | |
| STATION LC-33 E & A | x= 484,982. | DIRECTION degs In | 135 | |
| S | * | DENSITY ga/m3 | 1109 | |
| | | PELATIVE TUMIDITY | 35 | |
| | | | -9.9 | |
| | | THIOS NEG | | |
| | 2/2 | TE:IPERATURE OF OC | 4.0 | |
| | 8 4 | TE: PE | | |
| | Oct 82 | RESSURE mbs | 882.9 | |
| T431F 1 | DATE 29 | T G H | 0338 | |

| | | REMARKS | | | |
|--|-------------|--------------|---------|-----------|--|
| | 1 3rd LAYER | PE HGT | | | |
| | | 3rd 1 | A:11 TY | | |
| | | | | CI 22,000 | |
| | CLOUDS | 2nd LAYER | TYPE | CI | |
| | | 2n | AMT | 3 | |
| | 1st LAYER | | HGT | 12,000 | |
| | | LAYE | TYPE | AC | |
| | | AMT | 1 | | |
| | | OBSTRUCTIONS | - | | |

| | | | | , | |
|-----------|----------------|----------------|----------------|-----------|-----------------|
| | | | | | |
| | | | | | |
| 0038 | 4.0 | -1.0 | 5.0 | 6.6- | 35 |
| TINE: MDT | DRY BULB TEMP. | WET BULB TEMP. | WET BULB DEPR. | DEW POINT | RELATIVE HIMID. |
| | | (i.p. | 11P. | 1.P. | 11P. |

TABLE 2 LC-33 FIXED FOLE AND MOMEDER MEALURY JULIAN A

| FOLE #1 X485,874.29 Y185,958.90 44018.74 38.7 ft. AGL | | | 5,874.29 | | PCLE #8 Y435,677,09 Y136,116,96 H4363,90 8316 ft. AGE | | | |
|---|------------|-----------------|---------------|---|---|---------|-------------------|----------------|
| T-TIME SEC | DIR DEG | UMEED MINOTS | T-TIME SEC | | SPEED PNOT! | SEC SEC | | SPEFO KNOTS |
| T - 30 | | CALII | T-32 | ! | CALM | F31 | | CALM |
| T_20 | | CALM | T-20 | | CALM | T-19 | | CALM |
| T ₋₁₀ | | CALM | T = 10 | | CALM | T-10 | 1 1 1 1 1 1 1 1 1 | CALM |
| τ _{υ.0} | | CALM | T0.0 | | CALM | Tu. 0 | 030 | CALM |
| Γ+10 | 047 | CALM | T +10 | | CALM | T+1 | 032 | CALM |

TABLE 3 LO-33 MEDECKELGGICAL TUMER ANEMOWOULD MEASURED WINDS 1202 FT TOWER)

| UCVEU #1, 12 FEET >484,982.64, Y185,057.73, H3P83.00 (tase) | | | CEVEL #7, 57 FEET (484, 987.64, 9185.057.75, H3083.00 (base) | | | | |
|--|---------|-----------------|--|---------|-------------|--|--|
| 1-TIME SEC | 012 063 | i Light Effects | THI ME NAME | Lik DEG | SPEED PROTS | | |
| T - 30 | 144 | 01 | T- 30 | | CALM | | |
| 05, T | 144 | 01 | T-20 | | CALM | | |
| T- 10 | 144 | 01 | T-1, | | CALM | | |
| Tulo | 135 | 01 | T1.0 | | CALM | | |
| T.10 | 133 | 01 | T.1.; | | CALM | | |

| ELVEL #3, 102 FEET X484,982.64, Y185,057.73, H3983.00 (base) | | | 25 VM - #4 , 17 V X484 , 8 2 - 64 | | 3, H3983.00 (base) |
|---|---------|-------------|--------------------------------------|---------|--------------------|
| I-TIME SEC | DIR DEG | SPELD ENGIS | T-TIME SEC | DIR DEG | SPEED KHOTS |
| - 30 | | CALM | T-30 | 021 | 04 |
| -20 |) | CALM | T- 20 | 021 | 04 |
| - 10 | | CALM | T-10 | 021 | 04 |
| 11.0 | | CALM | T3.0 | 021 | 04 |
| •10 | | CALM | T+10 | 021 | 03 |

T-TIME PILOT-BALLOON MEASURED WIND DATA

DATE 29 Oct 82

SITE: WSD

TIME: 0838 MDT

WSTM COGRDINATES:

X = 488,852.29

Y = 184,982.45

H= 3,993.75

SITE: WSD

TIME 0838 MDT

WSTM COORDINATES:

X = 511,988.37

Y= 247,396.36

H= 3,996.83

| LAYER MIDPOINT | DIRECTION | SPEED | |
|----------------|-----------|-------|--|
| METERS AGL | DEGREES | KNOTS | |
| SURFACE | | CALM | |
| 150 | 006 | 06 | |
| 210 | 010 | 11 | |
| 270 | 017 | 07 | |
| 330 | 010 | 03 | |
| 390 | 043 | 04 | |
| 500 | 045 | 01 | |
| 650 | 046 | 01 | |
| 800 | 199 | 04 | |
| 950 | 237 | 09 | |
| 1150 | 233 | 12 | |
| 1350 | 230 | 13 | |
| 1550 | 244 | 12 | |
| 1750 | 248 | 14 | |
| 2000 | 243 | 15 | |

| LAYER MIDPOINT | DIRECTION | SPEED |
|----------------|-----------|-------|
| METERS AGE | DEGREES | KNOTS |
| SURFACE | 320 | 01 |
| 150 | 356 | 06 |
| 210 | 360 | 06 |
| 270 | 007 | 04 |
| 330 | 025 | 03 |
| 390 | 037 | 02 |
| 590 | 069 | 01 |
| €50 | 192 | 07 |
| 800 | 201 | 09 |
| 950 | 246 | 09 |
| 1150 | 248 | 12 |
| 1350 | 245 | 11 |
| 1550 | 237 | 11 |
| 1750 | 252 | 10 |
| 2000 | 267 | 11 |
| | | |

Data obtained from a NIKE-HERCULES
Radar Tracked pilot-balloon observation.

Data obtained from a Single Theodolite Tracked pilot-balloon observation.

AIMING AND T-TIME COMPUTER MET MESSAGES 29 Oct 82

| WSD 0630 | MDT | LC-37 0730 MDT | |
|-----------|----------|-------------------|---|
| METCM1324 | 064 | M ETCM1324063 | |
| 291250122 | 881 | 291350124880 | |
| 00000000 | 27100881 | 00000000 27100880 |) |
| 01621007 | 27700871 | 01617007 27950869 | |
| 02048003 | 28240845 | 02040003 28310843 | 3 |
| 03287003 | 28140805 | 03362004 28260303 | 3 |
| 04420009 | 27960757 | 04408010 28040756 | 5 |
| 05451013 | 27710712 | 05438013 27760713 | L |
| 06473016 | 27630670 | 06468015 27650669 | Ģ |
| 07503014 | 27460629 | 07491012 27500629 | 9 |
| 03497017 | 27120591 | 08492015 27190591 | l |
| 09448005 | 26850555 | 09411006 2696055 | 5 |
| 10583010 | 26560521 | 10515010 26730523 | 1 |
| 11545016 | 26160488 | 11520015 26420488 | 3 |
| | | 12524022 2568044 | 3 |

| SIGNITION TENT DATA 10:30020525 UNITE SANDS TABLE 6 | |
|---|--|
| STATION ALTITUDE 3989.00 FEET MSL 29 OCT. B2 0630 MDT ASCENSION NO. 525 | |

•EUDLIIC COOKUINATES 32-40043 LAT DEG 106-37033 LON DEG

| HEL.HUM. PERCENT | 200 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 |
|---|--|
| TEMPERATURE IR DEWPOIN, REES CENTIGNAUE | 11111111111111111111111111111111111111 |
| TEMPE AIR DEGREES | |
| GEOMETRIC ALTITUDE MSL FEET | 3989.0 4394.0 4665.7 4961.1 5540.0 6717.5 6717.5 11582.3 11582.3 12660.0 14251.9 14747.9 116175.9 11041.6 |
| PRESSURE MILLIBARS | 881.4 868.0 850.0 850.0 831.0 831.0 736.7 751.3 701.0 657.3 539.3 839.3 844.8 |
| | |

| UPPER AIR UNIA | 302002020 | WHITE SANDS | TABLE 7 |
|----------------|-----------------------------------|---------------------|-------------------|
| | STATION ALTITUDE 3949.00 FEET MSL | 29 oct. 82 0630 MDT | ASCENSION NO. 525 |

302002020 WHITE SANUS 32-40043 LAT DEG TABLE 7

| GEOMETRIC | PRESSURE | TEMP | | REL . HIM. | DENSITY | SI-EEU OF | MIND DATA | TA Spece | INUEX |
|----------------------|-----------|----------------|------------|------------|---------|------------------|--------------|-------------|------------|
| ACITIONE MSL FEET | MILLIUARS | ATR DEGREES | CENTIGRADE | בער ה ה | METER | SUCIND NPIOTS | LEGREES (TN) | KNOTS | REFRACTION |
| 3989.0 | 881.4 | -2.6 | -10.8 | 53.0 | 1133.6 | 541.0 | • | 0 | 1.000266 |
| • | 881.0 | -2.4 | | 52.4 | 1132.2 | | 142.5 | • | 1.000266 |
| 4500.0 | 864.6 | 9•9 | -10.6 | 28.0 | 075. | | 142.5 | • | 1 • 000253 |
| 5000.0 | 848•8 | 9.1 | -11.5 | 22.0 | 1046.5 | 054 • 9 | 142.5 | 1.2 | 1.000245 |
| 5500.0 | 833.3 | 8•9 | -11.6 | 22.0 | 1023.0 | 9 | 142.5 | 1.9 | • |
| 0.0000 | 810.1 | 8.2 | • | 20.9 | 012. | 9 | 142.5 | 2.5 | 1.000236 |
| 6500.0 | 803.1 | 8.0 | -13.4 | 20.3 | 994.2 | ن | 137.3 | 3.3 | • |
| 7000.0 | 788.4 | 7.5 | • | | 977.5 | 55. | 125.4 | • | |
| 7500.0 | 773.9 | 6•9 | ; | 19.5 | 961.8 | 652.5 | 119.4 | 9•9 | 1.000224 |
| | 759.7 | 6•3 | -15.5 | 19.2 | 940.3 | • | 71.6 | 4.5 | 1.000220 |
| 8500.0 | | 2.6 | -16.2 | 18.9 | 931.2 | | 13.7 | 7.8 | 1.000216 |
| 9000 | 731.9 | 4.8 | -17.1 | - | 910.6 | 8.649 | 345.0 | 10.9 | 1.000212 |
| 9500.0 | | 0.4 | -17.9 | 18•4 | 902.2 | | 291.9 | 14.2 | 1.000208 |
| 10000.0 | | 3.2 | -18.7 | 18.1 | 883.1 | 6.7.49 | 2/0.1 | 23.5 | • |
| 10500.0 | | 2•9 | -19.0 | 18.0 | 872.4 | 047.0 | 5.55.5 | 27.0 | • |
| 11000.0 | | 3.0 | -13.9 | 18.0 | 855.9 | | 243.5 | 30.3 | 1.000197 |
| 11500.0 | | 3.1 | -18.9 | 18.0 | 839.7 | 647.7 | 257.0 | 30.6 | • |
| 12000.0 | | 2.7 | -18.7 | 18.8 | 825.2 | 647.3 | 8.652 | m | 1.000191 |
| 12500.0 | | 2.5 | -18.5 | 19.7 | 811.1 | _ | 243.9 | 9 | 1.000188 |
| 13000.0 | 629.7 | 1.3 | -18.7 | 20•6 | 798.0 | | 250.7 | 14.6 | • |
| 13500.0 | | ٠, | -19.5 | 21.6 | 786.8 | | 257.7 | # | 1.000182 |
| 14000.0 | | 6.1 | -19•6 | 22.5 | 775.2 | | 8.40Z | 14.7 | • |
| 14500.0 | 594.8 | -2.5 | -20.7 | 22.5 | 764.1 | | 4.5.2 | 13.7 | .00017 |
| 15000.0 | | -2.7 | -22•3 | 20•2 | 751.1 | | Z01.4 | S | |
| 15500.0 | | -3.5 | -23.8 | 18.5 | 7.38.3 | | 291.8 | N | 1.000169 |
| 16000.0 | 561-4 | -4.2 | -25.1 | 17.7 | 726.9 | Ī | 502.1 | 10.2 | .00016 |
| 6500. | 550.7 | -5.5 | -26.5 | 16.9 | 715.7 | _ | 310.2 | 8.9 | • |
| 17000.0 | 540.2 | -6.2 | -27.8 | 16.1 | 704.7 | | 320.4 | 9.8 | 1.000160 |
| 17500.0 | 529.7 | -7.0 | -28.5 | 16.0 | 0•569 | _ | 341.9 | σ | |
| 18000.0 | 519.5 | -7.7 | -29.1 | 16.0 | 681.5 | | 2,816 | 0 | 1.000155 |
| 18500.0 | 509.4 | -8.8 | -50.7 | 16.5 | 671.0 | | 313.to | 12.0 | |
| 19000.0 | 66 | -10.0 | -30-3 | 17.0 | 6.099 | 032.1 | 209.1 | 13.9 | 1.000150 |
| 19500.0 | • | -11.4 | -31.2 | 17.5 | 651.5 | Ī | 305.7 | • | .00014 |
| Z0000.0 | 5 | -12.9 | -32•1 | 18.1 | 642.1 | | | | .00014 |
| 20500.0 | 470. | -14.3 | -33-1 | • | 635.9 | | | | 1.000143 |
| 21000.0 | 461 | -15.8 | -34.0 | 19.1 | 623.9 | 6220 | | | 1.000141 |
| 21500.0 | 451. | -17.2 | -35.0 | | 615.0 | 6530 | | | 1.000139 |

| ALTITUDE 3489.00 FF; T MSL 52 11:0. 525 PRESSURE GLUPOTENTIAL MILLIGARS FEET | ENTIAL T | TEMP | CLICATORY LEALLS 30,00203 BHIT SANDS TABLE 3 TOMP PATRIC HELANDS AIR CENTRIC HELANDS AIR PERCENT | HELL HUM. | WILD DI DIRECTION "EGKEES(TN) | oLODETIC COGNDINATES 32-40043 LAT DEG 106-37033 LON DEG SPEED KNOTS |
|--|-------------|---------|--|-----------|-------------------------------------|---|
| | 4957. | 9.1 | -11.5 | 22. | 142.5 | 1.2 |
| | 6600. | 7.0 | -13.5 | 20• | | 3.6 |
| | 8339. | 5.8 | -16.0 | 14. | | 6.2 |
| | 10180. | ٥.5 | 0.61- | 18• | | 25.7 |
| | 12148. | 5.6 | -18.0 | 10. | | 21.6 |
| 0.009 | 14257. | -1-0 | 0.07- | • 7.4 | | 14.2 |
| | 16514. | F - C - | -26.0 | 1/. | | 8.8 |
| | 18949. | 6.6- | -30.5 | 17. | | 15.8 |
| | 21576. | -17.6 | -35.4 | -07 | | |

| ON ALTITUDE 4751.37 FEET P T. 82 ISION HO. 110 | E C | мSL | SIGNIFICAN 3020 LC-37 TABLE | SIGNIFICANT LEVEL DAIA LC-37 TABLE 9 | A 1 A | VEODETIC COOMDINATES 32-40175 LAT DEG 106-31232 LON DEG |
|--|----------------------|-----------------------------------|--------------------------------------|---|---------------------|---|
| PRESSUME MILLIBARS | PRESSURE ILLIBARS | GFOMETRIC ALTITUDE MSL FFET | TEMPE AIR DEGREES | TEMPERATURE AIR DEWPOINT GREES CENTIGRALF | REL.HUN. PERCENT | |
| 879.7 | 7.1 | 4051.4 | -2.6 | -8.1 | 0.00 | |
| 874.6 | 9 | 4205.0 | 5.0 | -10.7 | 51.0 | |
| 660.1 | | 4650.5 | 9.5 | -9.5 | 25.0 | |
| 65n.0 | 0:0 | 4978.1 | 7.0 | 2.7- | 25.0 | |
| 9•409 | 9. | 6472.6 | 9.3 | -10.7 | 23.0 | |
| 738.4 | ÷. | 8795.1 | 0•9 | -13.0 | 24.0 | |
| 700.0 | 0. | 10224.4 | 3.3 | -15.3 | 0.42 | |
| 189 | 2 | 10831.9 | 2.8 | -16.2 | 43.0 | |
| 4.679 | . | 11176.3 | 3.3 | -16.3 | 22.0 | |
| 666.8 | 9 | 11517.4 | 3.0 | -10.6 | 22.0 | |
| 658.0 | 0.0 | 11871.2 | 3.4 | -16.3 | 22.0 | |
| 649 | 4.6 | 12221.2 | 5•6 | -16.4 | 23.0 | |
| 632.6 | 9. | 12917.3 | 2.5 | -16.2 | 24.0 | |
| 615 | 8.0 | 13629.1 | .5 | -14.9 | 31.0 | |
| 4.409 | 3 | 14120.6 | 7 | -16.5 | .62 | |
| 58A.1 | 3.1 | 14836.6 | -2.1 | -18.5 | 27.0 | |
| 575 | 5.5 | 15402.5 | -1.9 | -19.7 | 0.42 | |
| 544.2 | 2. | 16856.2 | 6.4- | -23.5 | 22.0 | |
| 536.5 | 5.5 | 17224.6 | 6.4- | -23.3 | 75.0 | |
| 521.5 | 5. | 17956.3 | -5.9 | -24.1 | 22.0 | |
| 560.0 | 0: | 19037.6 | 4-7- | -25.4 | 22.0 | |
| 405.5 | 5.5 | 24247.0 | -22.9 | 0.7ċ- | 26.0 | |
| 0.004 | 0:0 | 24575.9 | -23.7 | -57.3 | 27.0 | |

| DETIC COOMDINATES 32.4U175 LAT DEG 106.31232 LOH DEG | INCEX OF HEFRACTION | 1.000269 | • | 1.000242 | •00053 | 1.000253 | • | • | 00021 | 1.000214 | 1.000211 | 1.000207 | 1.000199 | | | | 1.000186 | | 1.000181 | | 1.000170 | | | 1.000161 | | | | 1.000148 | 1.000145 | 1.000143 | 1.000141 | 1.000139 | .0001 | 1.000134 | 1.000130 |
|--|---|------------------|--------|----------|----------------|----------------------|--------|--------|-------------|----------|-----------|---|----------|---------|---------|---------|----------|---------|------------------------------|---------|----------|-----------|---------|----------------|---------|------------------------------|--------|----------|----------|----------|----------|----------|----------------|----------|----------|
| vEODETIC 32•4u 106•31 | SPEEU KNOTS | | 1.5 | 2.3 | 3.1 | o 0 | 7.7 | 7.6 | 10.7 | 11.7 | N | 13.1 | 14.1 | 13.9 | 13.7 | 13.6 | 13.6 | 13.6 | 13.2 | 11.6 | 10.5 | 8.7 | 7.1 | 10, | | 10.7 | å | 14.9 | ů | 18.7 | ė | | | | |
| | "INU DATA "IRECTION S | 0. 6.213 | 6.212 | 212.9 | 212.9 | × 12.9 | 6.422 | 229.1 | 2,30.2 | 0.247 | D • 0 + 7 | 20102 4.544 | 159.1 | 262.5 | 7000 | 268.0 | 5.00.5 | 202. | 2000 2000 2000 2000 | 000 | 208.1 | 75.1 | C4507 | 7,42 | 0.067 | 293.9 | 6.767 | 291.1 | 590•6 | 2.162 | 291.7 | | | | |
| A1.40. | SPEEU OF SOUND NIO 1 S | 041.3 | 655.6 | 652.5 | 650.3 | | 4.530 | 052.6 | 651.8 | 650•B | 7 • 6 90 | 3 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : | 0.7.00 | 647.7 | 647.8 | 647.1 | _ | | 040.00 | _ | 641.0 | h • 0 h 3 | 639.62 | 650.0 | 0.150 | 2000 2000 2000 2000 | 635.3 | 63000 | 631.8 | 630.0 | 62L. | £80.4 | 624.c | 25.720 | c.19.1 |
| 14 FER AIR UAI 302018011U 1C-37 TABLE 10 | CIENSITY GM/CUBIC METER | 1131.1 | 1044.7 | 1026.2 | 1008.0 | 0.000 | 959. | 0.446 | 929.1 | 914.7 | 6.006 | 04/07 | 856.7 | 840.5 | 654.9 | 811.4 | 797.4 | 780.6 | 7630 | 750 - 3 | 736.3 | 725-1 | 714.0 | 705.4 580.0 | 6700 | 667.0 | 655.9 | 4.049 | 637.1 | 620.0 | 619.0 | 610.2 | 601.6 | 1,000 | 576.4 |
| | KEL.HUM. PERCENT | 66.0 27.1 | 25.0 | 24.3 | 23.6 | 0.50 0.60 0.60 | 23.4 | 23.7 | 23.9 | 24.0 | 24.0 | 24.0 | | 25.0 | 22.4 | 23.4 | 24.8 | 29.7 | 29.5 | 26.1 | 23.9 | 23.2 | 22.5 | 22.0 | 22.00 | 22.0 | 22.0 | 22.4 | 22.7 | 23.1 | 23.5 | 23.9 | 5. 1. 1. | | 25.4 |
| T MSL MDT | TEMPERATUPE R DEWPOINT EES CENTIGRADE | -8-1 8-1 | 4.6- | 8.6- | -10.3 | -10.8 | -11.7 | -12.5 | -12.7 | -13.3 | -14.1 | 14.9 | 1.61- | -16.6 | -16.3 | -16.3 | -16.0 | -15.1 | -16.1 | 7.4 | -20.0 | -21.2 | -25·4 | -23.3 | C-10C- | -24.8 | -25.4 | -26.4 | -27.5 | -28·6 | -29.7 | -30.6 | -31.9 | 155. | -35.3 |
| 1.37 FEFT MSL 0730 MDT | TEMPI AIR DEGREES | 7.9 | 4.6 | 9•6 | † 6 | ۍ و ه | 7.8 | 7•1 | ∱• 9 | 5.6 | r., |) • O | 1 (1 | C.00 | 3.1 | 2.5 | 2•1 | ۱۰ | | -2.0 | -2-1 | -3-1 | |) H | 0.0 | -6.7 | -7-3 | -8•8 | -10.3 | -11.8 | -13.2 | -14.7 | 16.2 | | -20.7 |
| TITUDE 405 NO. 110 | PRESSURE MILLIBARS | 879.7 865.1 | 849.3 | 833.9 | 818.7 | 789.1 | 774.6 | 760•4 | 746.5 | 732.8 | 719.2 | (00°) | 6.649 | 667.2 | 654.8 | 9.749 | 630•6 | 618.8 | 507.2 | 584•4 | 573.3 | 562.4 | 551.7 | 2.14C | 520.6 | 510.6 | 5000 | 490•B | 481.0 | 471.4 | 462.1 | 455.9 | | 4004 | 417.9 |
| STATION ALTITUDE 405 29 OCT. 82 ASCENSIUM NO. 110 | GEONETRIC ALTITUDE MSL FEET | 4051.4 4500.0 | 5000.0 | 5500.0 | 0.000 0.000 | 0.000° 7000.0 | 7500.0 | 8000.0 | 8500.0 | 0.900e | 9500. | 10000-0 | 11000.0 | 11500.0 | 12000.0 | 12500.0 | 13000.0 | 13500.0 | 14000-0 | 15000.0 | 15500.0 | 16000.0 | 16500.6 | 17500-0 | 18000-0 | 18500.0 | 190001 | 1950p.n | 20000.0 | 20500.0 | 21000.c | 21500.0 | 22000.r | Ú*00C27 | 23500.0 |

| 29 OCT. 62 ASCENSIOL 40. 116 GEOMETRIC PRESSURE TFI PERATU | TFI PERATURE - RE | TABLE 10 Cont'd TABLE 10 Cont'd TABLE 10 Cont'd TABLE 10 Cont'd | SECULITIC COUNTINATES 32.40175 LAT DEG 106.31232 LON DEG 1.06.31232 LO |
|--|-------------------|--|--|
| Rs 06 | AIR DEMPOINT PE | AIR DEWPOINT PERCENT (NYCURIC SOUND DEGREES CENTIGRADE NETER NNOTS N | IRECTION STATEMENT OF THE CREES (TN) NI |
| • | -22.2 -36.4 25.8 | 25.8 568.3 617.3 | |

| | FIAMER TOP I LE VELS | |
|-----------------------------------|----------------------|---------------------|
| STATION ALTITUDE 4051.37 FEFT MSL | 30201,0110 | 3(10 3 9 |
| 29 OCT. 62 0730 MDT | LC-37 | • |
| ASCENSION NO. 110 | TABLE 11 | 10 |
| | | |

| PRESSURE | GEOPOTENTIAL | | ERATURE | ALL . HUM. | UNITED CO | ATA |
|------------------|--------------|----------------|------------------------------------|------------|---------------------------------|----------------|
| WILLIPAKS | FEET | AIR LEGREES | AIR DEMPOINT JEGREES CENTIGRADE | FLICEN | LINECTION SPEEDEGREES(TN) KNOTS | SPEED KNOTS |
| 7.05A | | 7.6 | 2.6- | 25. | | 1.5 |
| ₩00% | | 9.1 | 6.01- | 23. | | 4.2 |
| 750.n | | 9.9 | -12.6 | 54. | • | 10.4 |
| 700.0 | | Ю. Ю. | -15.3 | . 4% | | 13.4 |
| 6,50 • n | | 2.7 | -16.4 | 23. | . • | 9.01 |
| 0.00° | | -1.1 | -17.0 | 20. | | 12.7 |
| 550.1 | | -4.3 | -22.0 | 22. | | 6•0 |
| 500€ | 19011. | 4-7- | +25°+ | 2 | 292.5 | 12.9 |
| 450.0 | | -15.2 | -31.1 | 24• | | |
| 0.00% | | 7.7.7 | - 37. 5 | 27. | | |

| 7. | | |
|------------------|------------|---------------|
| 3989.10 FEET MSL | 100 SEC | |
| 3989.00 | ਤੱ | 9; |
| ALTITUDE | 32 | 4 NO. 526 |
| STATION A | 29 OCT. 82 | ASCENSION NO. |

| ∢ | |
|------|-------------------------|
| ALAU | |
| -0 | EMITE SANDS TABLE 12 |

GEODETIC COURDINATES 32-40043 LAT DEG 106-37033 LON DEG

| PRESSURE | GEUMETRIC ALTITUDE | TEMPERATURE AIR DEWPOLD | ERATURE DEMPOINT | REL HUM |
|-----------|-----------------------|----------------------------|---------------------|---------|
| MILLIBARS | Σ | DEGREES | CENTIGRADE | |
| 882.4 | a89. | ۴ • | 6.8- | |
| 8 | | 1.7 | • | • |
| 865.7 | • | • | • | 74.0 |
| 850.0 | 4192.0 | • | -13.1 | ċ |
| 3. | • | 6.2 | Ġ | |
| 'n | 7729.1 | 8.1 | J | • |
| ç | 10227.6 | 2.9 | 19. | ÷ |
| p* h59 | • | • | 20 | 16.0 |
| ۲. | 13311.6 | • | -5u•0 | ċ |
| Š | 14855.7 | -3.2 | ŝ | ŝ |
| ۲. | 15474.4 | • | -25.7 | 3. |
| 523.1 | 17862.4 | -6.7 | -29.7 | 14.0 |
| 0 | 19015.3 | -6.7 | -32.1 | ÷ |
| ó | 24529.0 | -23.8 | -41.3 | 8 |
| 'n | 27867.1 | ٠ | • | 7. |
| 9 | 29566•2 | -36-3 | 6.04- | 05.0 |
| . | 30661.9 | -39.2 | カ・フカー | - |
| 0 | 31210.2 | • | | |
| 0 | 32121.0 | -43.1 | | |
| 4 | 32399.6 | -43.8 | | |
| ٥ | 33012.9 | ٠ | | |
| 250.0 | 35206.4 | -51.3 | | |
| ċ | 39864.9 | | | |
| Ę | 41226.5 | -64.2 | | |
| Ŋ | 42205.3 | | | |
| Ŋ | 44001.2 | -61.R | | |
| ç | 45712.7 | • | | |
| N | 46509.7 | • | | |
| ٠ | 47660.2 | 46.59 | | |
| ç | 48818.8 | • | | |
| ۳. | • | • | | |
| • | : | • | | |
| c. | | 2.49- | | |
| ت ت | 61302.0 | • | | |
| 7.0 | • | : | | |
| ٠. | 67450.5 | 57. | | |
| ċ | 8316. | | | |
| 36.P | 75311.7 | -52.4 | | |
| • | 921 | | | |
| | | | | |

| L T MSL | ðī | |
|-----------------------------------|------------|-------------------|
| STATION ALTITUDE 3999.00 FELT MSL | 18850 | 26 |
| 4 ALTITUDE | . 62 | ASCENSION NO. 526 |
| STATIO | 29 OCT. 62 | ASCLNS1 |

| ביי קייי | 04 ACTITION STONY OF THE MISE. | 133 NO.50 | I MSL DT | | THE CALES | | | VEODE 11 | GEODETTC COONDINATES | |
|-------------|--------------------------------|-----------|----------------------|------------|-----------|--------------|--|----------|----------------------|--|
| 1015 | 510H NO. 526 | 3 | - 1 | | TABLE 13 | n 2 | | 106. | 106.37033 LON DEG | |
| TRIC | PRESSURE | TEMF. | DENATURE DENDOINT | KEL . HUM. | DENSITY | Spirit, or | TRIC PRESSURE TEMPERATURE RELAMBNA DENSITY SPLIT, OF WIND DATA INDEX | 4 L | Index | |
| FE | MILLIBARS | DEGREES | CENTIGRADE | | METER | \$1011 | JEGREES (1N) | KNOTS | REFRACTION | |
| 9•68 | 89.c 882.4 | ių. | 9.95 50.0 | 50.0 | 1122.0 | 1122.0 044.6 | • | 0. | •0 1.0002b6 | |

| GEUME TRIC | PRESSUPL | 1 f. pyf | 1 EMPERATURE | KEL . HUM. | DENSITY | Act to The | A LAU DATA | 4 | IranFX |
|----------------------|---|----------------|------------------------|---|-------------------|------------|--|----------------|------------------|
| ALTITUDE MSL FFEI | MILLIBARS | A18 DEGREES | DEWPOINT CENTIGRADE | _ | GMZCURIC METER | 210114 | LIRLCIION LEGREES (IN) | SPEED KNOTS | UF REFRACTION |
| 3989.E | 862.4 | ₽. | -8.9 | 50.0 | 1122.0 | 9•##9 | • | 0. | 1.000256 |
| 4000.0 | 882.0 | * | 0.6- | 40.4 | 1122.0 | 6.44.7 | 24.2 | • | 1.000266 |
| 4500.0 | 865.6 | 7.9 | -11.4 | 24.0 | 1071.7 | 50.00 | 24.2 | | |
| 5000.0 | 840.8 | 8.5 | -13.2 | 20°0 | 1050.0 | 1.4.10 | 24.5 | 1.3 | 1.000244 |
| 5500.0 | 834.2 | 8.3 | -14.0 | 18.9 | 1031.4 | 6.000 | 24.5 | 1.9 | • |
| 9.000q | 819.0 | 8.2 | -14· | 17.8 | 1010.5 | 653.7 | 297.5 | ن | |
| 6500.0 | 804.0 | ດ•ສ | -15.7 | 16.7 | 995.3 | 653.5 | 251.8 | 2.9 | 1.000230 |
| 7000.0 | 789.3 | 7.9 | -16.2 | 16.2 | 977.4 | 4.050 | 5.46.3 | 6.8 | • |
| 7500.0 | 774.8 | 8.0 | -15.7 | 16.7 | 959.1 | 653.6 | ٥٠٥٠ ع | 6.6 | • |
| 8000.0 | 760.6 | 7.5 | -15.8 | ~ | 943.1 | 0.000 | 2.27.1 | 12.1 | 1.000219 |
| 8500.0 | 746.5 | 6.5 | -16.5 | 17.3 | 929.5 | 0.740 | 9.602 | 13.0 | 1.000215 |
| 90ng•n | 732.8 | 5.5 | -17.3 | 17.5 | 915.5 | 3.000 | C41+3 | 13.1 | .00021 |
| 9500.0 | 719.2 | ÷. | -18.0 | 17.7 | 0.506 | 649.3 | 243.3 | 13.7 | • n0020 |
| 10000.0 | 706.0 | J. C | -18.7 | 17.9 | 8RU • 7 | 1.040 | 245.4 | 14.3 | • |
| 10500.0 | 6.769 | 2•9 | -19.2 | 7 | N73.7 | 047.5 | 24642 | • | |
| 11000.0 | 680.0 | 2.9 | -19•6 | 17.1 | 857.5 | 047.5 | 254.0 | 14.9 | 1.000197 |
| 11500.ņ | 667.3 | 2.9 | -20.0 | 16.6 | 841.5 | 54/10 | 0.652 | 15.0 | • |
| 12000.0 | 654.9 | • | -50.4 | 9 | 925°6 | 04/40 | 201.3 | 14.6 | • |
| 12500.0 | 9.749 | 1.9 | -20.5 | 17.5 | 813.2 | 540.4 | 201.7 | 13.7 | • |
| 15000.9 | 630.6 | 6• | -20.0 | 19.0 | 800.4 | 645.2 | 565.9 | 14.0 | 1.000185 |
| 13500.0 | 618.7 | | -20.6 | 19.5 | 786.9 | 647.0 | 570.9 | 14.8 | 1.000182 |
| 14000.0 | 0.700 | -1.3 | -25.3 | 18.2 | 777.3 | 947.49 | 276.1 | ş | 1.000178 |
| 14500.0 | C•66C | -2.4 | -24.1 | 16.9 | 765.6 | 7.179 | 281.1 | 15.7 | 1.000175 |
| 15000.1 | 2.480 | -3.1 | -25.5 | 15.8 | 755.5 | オ・コカワ | 270.3 | 13.1 | 1.000172 |
| D-000CT | 1.676 | -2.1 | -25.7 | 15.0 | 738.0 | _ | ¿07°3 | 10.4 | 1.000168 |
| 15004.2 | 2.790 | -3.6 | -26·u | 14.8 | 720-1 | | 248.0 | N.7 | 1.000165 |
| 2.00cot | 4.10C | - 1 - 1 | -27.4 | 14.6 | 714.5 | _ | 7.662 | 7.7 | 1.000163 |
| 0.00071 | | 7.0 | -27.62 | † • • • • • • • • • • • • • • • • • • • | 0.507 | u3/•8 | 245.0 | 9.9 | 1.900160 |
| 1,000.1 | 2000 | | -59-1 | 14.2 | 2.1.0 | 630.6 | 7.407 | 6.9 | 1.000157 |
| 14500 | 250.5 | 1: | 0.05- | • | D20.4 | 635.6 | ************************************** | | 1.000154 |
| 0.00001 | 210.5 | 0: | -31.0 | 14.0 | 671.0 | 634.0 | 9.062 | = | |
| υ•00067 | C-00c | 1.6- | 25 | 14.0 | 561.3 | ಚಿತ್ರಿ≳•ವಿ | 795.4 | 14.7 | • |
| 0.00061 | 7.06 | • | 6.48- | 3 | 651.2 | 630.9 | \$.00° | • | • |
| uuunz | C•08+ | -12.2 | -33.7 | 14.7 | 641.3 | 629.4 | 5050 | • | 1.000145 |
| 20200 | 4.70-8 | -13.5 | 34.5 | 15.1 | 631.5 | 627.3 | 20400 | 20.4 | 1.000142 |
| J.00012 | 194. | 114.3 | -35-3 | 15.4 | 622.0 | 620.3 | 6•10° | • | 1.000140 |
| 21509.0 | 452.5 | • 1 | -36-1 | 15.8 | 612.5 | 624.7 | 6.76.2 | • | 1.000138 |
| 22000.0 | 1.54 | _ | Š | 16.2 | 603.5 | 623.2 | 7.06.7 | • | 1.000136 |
| 22500.0 | 2 · + C · · · · · · · · · · · · · · · · · | -18.6 | -37.B | 16.5 | 594.2 | 621.0 | < 97.5 | 24.1 | 3 |
| 23000°4 | 425.5 | 6.61- | -38·c | 16.9 | 547.5 2.0 | 0.079 | 2000 | • | 1.000132 |

| STATION ALTIT 29 OCT 62 ASCENSION 40. | STATION ALTITUDE 3989. 29 OCT. 62 ASCENSION 40. 526 | 89•r0 F _F T MSL 0038 MDT | .T MSL IDT | | UPPLR AIN ENTA 3020020050 ENITE JAHUS TAPLE 13 CONF | ik inik kubbu Jamus 13 Contid | | % CEOUETI 32.4 106.5 | 9E0DETIC COOKDINATES 32-40043 LA1 DEG 106-37033 LON DEG |
|---|---|--|--|---------------------|--|--|-------------------------------|----------------------------|---|
| GEUMETRIC ALTITUDE MSL FFF1 | PRESSURE MILLIBARS | TEMP AIR DECREFS | TEMPERATURE AIR DEWPOINT FOREFS CENTIGRADE | REL.HUM. PERCENT | DENSITY GM/CUBIC METER | SPEED OF SOUND | MIND DATA | TA SPECU KNOTS | INJEX OF OFFRECTION |
| | | · · | | | į | | | | |
| 23500.0 | 0-/14 | -21.2 | -39.5 | 17.3 | 570.4 | _ | 304.0 | 24.8 | 1.000130 |
| 24000.0 | 400.7 | -22.4 | n•01- | 17.6 | 567.B | 610.3 | 202.7 | 24.1 | 1.000128 |
| 24500.0 | \$ 00¢ | -23.7 | -41.3 | 18.0 | 5.64° | | 307.5 | 23.3 | 1.000126 |
| 25000.0 | 592.1 | -55.0 | -41.7 | 19.3 | بن• ل ۳۶۰ ر | _ | 0.010 | 23.0 | 1.000124 |
| 25500.n | 383.9 | -56.3 | -42.1 | 50•6 | 5/11•0 | | 512.1 | 23.6 | 1.000122 |
| • | 375.9 | -27.5 | 9.64- | 22.0 | 533.0 | | 515.1 | 26.0 | 1.000120 |
| 0.0007 | 0.000 0.000 0.000 | 178.8 | 74.5 | 23.3 | 516.3 | 0.600 | # 0.7.7 # 0.7.7 # 1.7.7 | 28.8 3.3.3 | 1.000118 |
| 27500.0 | 35.2.7 | 3001 | | 96 | 5.50 | | 200 | 30.00 | 1.000110 |
| 28000.0 | 345.3 | 12.6 | **** | 7.50 | 5000 | | 5.45c | 37.2 | 1.000113 |
| 28500.0 | 337.9 | -33.8 | 9.64- | 40.0 | 401.7 | | 3<7.7 | 38.0 | |
| 29000-0 | 330.6 | -35.0 | -41.6 | 50.3 | 483.5 | | 349.6 | 38.3 | 1.000109 |
| 29500.0 | 323.5 | -36.1 | -41.0 | 60.6 | 4.75.4 | - | 5.055 | 38.9 | 1.000107 |
| 30000 | 510.5 | 4.75- | -41.5 | 65.6 | 467.7 | | 8.0¢c | 39.6 | |
| 30505 | 30.4.6 | 38.3 | -42.5 | | 460.1 | | 0.550 | 39.7 | 1.000103 |
| 31500.0 | 2000 | 0.05- | -51•t | 2/•2* | # 20 # # 20 # | | 4.000 | 39.68 | 101000-1 |
| 0.00000 | | 6.1 th | | | 0.0 0.4 0.4 0.4 | 5,77.5 | 5.55 | N. 60 | 1.00000 |
| 32500.0 | | -44.0 | | | 430.4 | | 1.700 | t : : : : | 1.000046 |
| 33009.0 | | -45.2 | | | 422.9 | | 8.750 | 42.2 | |
| 33500.0 | 270.5 | 9.94- | | | 415.B | | 338.9 | 45.9 | |
| 34000.0 | 264.3 | 6·Lh- | | | 408.4 | | 5.14° | 44.2 | 1.000001 |
| 34500.0 | 258.3 | 5.611 | | | 402.0 | | ~ • 5 ₩ C | 45.6 | 1.000090 |
| 35000.0 | 252.4 | -50.7 | | | 395.5 | | 246.4 | 46.9 | • |
| 35000.0 | 240.7 | 152.0 | | | 388.3 | 57.9•4 | 349•1 1000 | 48.2 | 1.000086 |
| 36500.0 | 235.0 | 4.40 | | | 374.1 | | אינלי | 40.0 | |
| 37000.0 | 229.4 | -55.5 | | | 367.3 | | 9-755 | 52.7 | • • |
| 37500.0 | 224.0 | -56.7 | | | 360.5 | | 4.60% | 55.6 | 1.000080 |
| 38000.0 | 218.7 | -57.9 | | | 355.9 | | 6•640 | 57.8 | |
| • | 213.5 | -59.1 | | | 347.5 | | 2: | 60.1 | |
| 30000 | C-202 | -60.5 | | | 1.145 | | 0.005 | 95.0 | |
| 3950n.n | 104-7 | -610 | | | 334.9 | | 0.400 0.41 | 63.7 | |
| • | 104.8 | 1000 | | | 12.0.0 | | 0.000 | 7.70 | |
| 40000 | | 75.50 | | | 21.50 | | 0.00 | 0.4.0 | 7/00001 |
| 41500.0 | 10101 |) | | | 0 ** (0)* | | 0.640 |) r () y | 0/0000: |
| 0000 | 180.0 | 162.0 | | | 207.0 | 2.00 | 0.000 | 01.0 | 1.000066 |
| | 175.6 | -61.5 | | | 284. | • | 1,200.7 | F 1 7 | 1.000064 |
| 000 | 171.4 | -61.6 | | | 282.2 | 260.7 | 3.94.6 | 32.6 | 1.000063 |
| | | | | | | | | | |

AT LEAST ONE /SSUMEP RELATIVE HUMIDITY VALUE WAS USEN IN THE INTERPOLATION.

| 7776 - 778 - 7764) 31,249,640 | WITTE SAME. | 513 Cont. 13 Cont. |
|----------------------------------|---------------------|--------------------|
| STATION ALITTUDE JUBO. OF T MEL | 29 oct. as 0835 aut | ASCLBS198 ::0. 526 |

9.00_110_000_1141ES 32.40095_LAT_0EG 180-57935_LOT_0TA

| Alfo DALA TRUEX CTION SPEED OF ESCEN MOTS REFRACTION | | 19.6 | 3 18.5 1.000059 | T 5.56 | 36.0 | 35.7 | 1 0°0₁ | 42.0 | | 32.3 | 24.5 | 16.3 | | 14.0 | 8.61 | 2.02 | .65 29 | 29.3 | 28.6 | 20.00 | 23.2 | 21.5 | 18. | 17.4 | 16.2 | 5 15-1 1-0000c3 | 13.4 | 14.7 | - | → |
|--|-----------|----------|---|----------|--------|---------|--------|------------|-------|--------|---------|--------------|---|-------|--------|----------------|----------------------------|-------|-----------------|-------|-------|------------|--------------|-------|-------|------------------|-------|--------|---------|---|
| 2 18 18 14 | 3.000 | ئە دەلىق | 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 | 0.467 | 0.4263 | 1.662 | 5.863 | 4 4 500 | 314.0 | 0.19.0 | 0.030 | 6.716 | 3.400 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 | 3.5.7 | 5.057 | 1.262 | 278.6 | U•082 | 3.562 | いっせん | 7.56. | 6.26.2 | 2016 2019 | 6.29 | 2•0p2 | 5.01.2 5.01.2 | 273.9 | 4.47.5 | 787.1 | |
| SPLEU OF COULT KN31S | 5 560.05 | 1 560+4 | \$ 500.44 | 0 000 m | _ | 1 564+1 | | | | | • | | 0.000 0.000 0.000 | | | • • • | 3. 300 6. 300 6. 300 | | | 0.000 | | /- | 5000 G | | | 7.00c / | . • | 7.15 | 5.000 M | |
| ASLATIONS DEPOSITA FERCETT SNYCHARD MATER | 2.5% | 26,1.0 | 263•. 353•. | | | 233+7 | 234.8 | K • 600 5 | · · | 3. KUZ | 501.0 | 9.701 | 180 T | 181. | 1.82.4 | 19191 | 171.0 | 167.0 | 162.7 | 154.5 | 150.0 | 146.8 | 139.4 | 135.8 | 132. | 125.7 | 122.0 | 119. | 110.0 | |
| 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15,55 MATURE AIN CHWPCINT DEAREES CENTIGRADS | -6.1.7 | ~i,1•8 | 10°0' | 5 · P.G. | -63.9 | -6,3.5 | -Fire3 | 1.0.7 | と・ウロー | -(1•b | 4.67.5- | -r3.2 | 0.6a- | -55.9 | -62.0 | -63.6 -(1:3 | 7.49- | -64.2 | -63.9 -7.4.7 | オ・カゲー | -63.1 | -62.9 | -62.3 | -62.1 | -61.8 | 161.3 | -61.0 | 7.09- | -60.5 | |
| P | # (3) | m.i.1 | 159.2 62.5 | | £3- | | | 137.35.5.1 | | | | 121.6 - E3.2 | | | | 10/49 -6546 | | | 97.7 -63.9 | | | 84•6 -62•9 | | | | 70.5 | -61 | 09- | -60 | , |

| VEOULTIC COOKUINATES 32-40043 LAT DEG 186-37033 EON DEG | THUEN OF HEFRACTION | 1.000023 | 1.000022 | 1.000021 | 1.000020 | 1.0000.0 | 6100001 | 1.000018 | 1.000018 | 1.000017 | 1.000017 | 1.000016 | 1.000010 | 1.000010 | 1.000015 | 1.000015 | 1.000014 | 1.000014 | 1.00013 | 1.000013 | 1.000013 | 1.000013 | 1.000012 | 1.000012 | 1.000012 | 1.000011 | 1.000011 | 1.000011 | 1.000011 |
|---|--|---|-------------|----------|----------|--|--------------|-------------|------------|----------|----------|----------|-----------|----------|----------|-----------|------------------|----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 32. 106. | JA SPEEU KNOTS | 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 8 | 9. 0 | 4 8 | 9.1 | ۳. ن | 0.0 | 6.3 | 5.8 | 5.3 | 5.0 | 4.7 | ્ર 8•ડ | 2.9 | 1.8 | | 7. | 1.3 | 3.4 | r.2 | 9•9 | 0.9 | 5.6 | 5.0 | | | | | |
| | WIND DATA LIKELTION S LEGREES (IN) K | 243.9 | 9.46.2 | 40.0 | 240.6 | # * # # # # # # # # # # # # # # # # # # | < 45.8 | 242.8 | 6.042 | 30.00 | 5000 | 233.7 | 6,06,2 | 545.6 | # 0 # N | 8.747 | 5.00.5 5.42.0 | 0.44 | 0.06% | 305.3 | 315.0 | 8•650 | 340.5 | J•0 | | | | | |
| 5 13 5 5 ont'd | SPLFU OF COUAD NAOLS | 577 | 57. | 577.4 | 574.4 | 572.4 | 2.7.5 | > · · · · · | 570.9 | 570.9 | 577.1 | 511.5 | 4-11-3 | 2//02 | 21.10 | 5/7.8 | 578•0 | 5.070 | 570.4 | 570.0 | 578.7 | 578.0 | 570.0 | 570.3 | 575.6 | 570.8 | 370.8 | 570.B | 570.8 |
| UPPER AND DOLLA AGENOLUSED PHITE SANDS TABLE 13 Contid | DENSITY SOME OF THE SOME OF TH | 101.8 | £ 000 | 92.3 | 1.06 | G . 36 . 36 . 36 . 36 . 36 . 36 . 36 . 36 | 8.08 2.08 | R1.1 | 70.0 | 70.9 | 7.0.1 | 75.5 | 71.0 | T.T. | 68•∠ | 9.09 | 63.5 | 62.0 | 60.0 | 1.65 | 57.7 | 50.3 | 55.0 | 53.7 | 4.54 | 51.3 | 50.1 | 48.7 | 47.8 |
| J | NEL.HPT. PERCEIT | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9•00 Fr₁T MSL 0033 ±0∓ | TEMPERATURE AIR DEWPOINT DEGREES CENTIGRADE | -57.H -57.4 | 4.7.7 | -67.3 | -57.3 | -57.3 | -6.7.0 | -55.2 | 0 • ts 5 = | -53.8 | -53.7 | -5.5.c | £,50.5= | オ・ウルー | 155.5 | 2 · 0 · 1 | 0.04 0.07 | -52.8 | -52.7 | -52.6 | -52.5 | -F2-4 | -52.4 | -52.4 | -5.2.4 | -52.4 | -52.4 | -52.4 | -52-4 |
| IITUDE 398 10• 526 | PRESSURE MILLIGARS | 63.0 61.5 | 60.0 | 57.5 | 55•8 | 54.5 | 52.0 | 50.A | 49.6 | ↑°2† | 47.3 | 40.2 | 100 | | 1.04 | 42.1 | 40.1 | 39.5 | 38.3 | 37.4 | 30.5 | 35.7 | 34.9 | 34.1 | 35.3 | 34.5 | • | • | 30.3 |
| 5TATION ALTITUDE 3989 29 OCT - 62 ASLEMSTOR NO - 526 | GEUMETRIC ALTITUDE MSL FEET M | 5500.0 | 64500.0 | 65500.0 | 0.00000 | 66500.0 | 67500°C | 6.000gq | 09500.0 | 69000 | 0.00565 | 0.00007 | 70500 | 71000.0 | 7,000,0 | 72500 | 73000.0 | 73500.0 | 74000.0 | 74500.0 | 75000-0 | 75500.0 | 70000.0 | 76500.0 | 77000.0 | 77500.0 | 78000.0 | 74500.0 | 79000.0 |

| STRITON ALITONAL 3005 BALT MSN 20 Octo 62 ASCENSION 110 - 526 | I MSK. | ¥ Σ | MANOATORY II. R 30200 chusto URLIT. Selector TARIZ 14 | | | 00.001 TIC COCNDIMATES 32-40093 LAT DEG 196-57033 LOR DES |
|---|------------------------|---------------|--|-----------|-------------|---|
| 0 3805S384 | PRESSURE GEOPOTFINITAL | E 4PE | TE YPERA LURE | M.L. HUM. | ALAU UALA | AiA |
| | | AIR | OF-WPO18,T | PLRCENT | DINECTION | SPCLU |
| MILLIBARS | FEET |)EGREES (| DEGREES CENTIORADE | | ESNEES(in) | |
| 0.028 | 4998. | 8 5 | -13.1 | 20. | 24.5 | ₽• 4 |
| 0.008 | 6629 | 9.0 | -15.9 | 10. | | 5*0 |
| 750.0 | 8373. | 6.8 | -16.4 | 17. | | 6. N |
| 700-0 | 10218. | ۰ د د | 0.61- | 13. | | 고 : () : (|
| 650.0 | 12185. | 2.5 | 20,3 | 17. | 201.4 | OJ (|
| 0.009 | 14290. | -2.0 | -23.4 | 17. | | ເກ• ກໍາ |
| 7.50.€ | 16549. | -4.5 | -27.5 | 10. | | |
| 0.005 | 18989. | 7.6- | -32.1 | 14. | 295.5 | ا عاد ا حاد |
| n • 05 ti | 21623. | -16.4 | -36.3 | á | | 00 ° |
| Ů•00ħ | 24448. | -23.8 | -41.3 | 18. | | 0 · 0 · 0 |
| 350.0 | 27637. | -31.8 | 1.44. | 27. | | 50. T |
| 300•€ | 51148. | - 40∙5 | | | 335.1 | 6. 4つ |
| 0.055 | 35130. | -51.3 | | | | # · · · |
| 0.00€ | 39769. | -62.3 | | | 350.0 | |
| 175.0 | 42468. | -61.5 | | | | # O# |
| 150.0 | 45590. | -64.2 | | | 29545 | 70°1 |
| 125.0 | 49261. | -58.1 | | | | 5.02 |
| 100.0 | 53863. | -64.2 | | | | 24.0 |
| 0.08 | 58370. | -61.8 | | | 280•1 | 7.01 |
| 10.07 | 61092. | -60.3 | | | 262.3 | 1.01 |
| u•09 | 64271. | -57.4 | | | 7.467 | 7.0 |
| 50.0 | 68060 | -54.0 | | | 241.8 | D•0 |
| 40. | 72771. | -52.9 | | | 242.8 | • |
| 30.0 | 78871. | -52.4 | | | | |

** AF LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

FILMED

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